



# 30" x 12" Cedar Shelf Installation Instructions



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## 30" x 12" Cedar Shelf Installation Instructions

The 30" x 12" cedar shelves are ordered in 2.5' or 30" sections much like the 30" x 30" cedar benches. The "T"s are cut to length. (Example: Order 5 shelf sections; the shelf "T"s will be 12.5" long)

Before beginning shelf assembly please inventory the parts using the packing checklist included with your order and confirm all parts are accounted for.

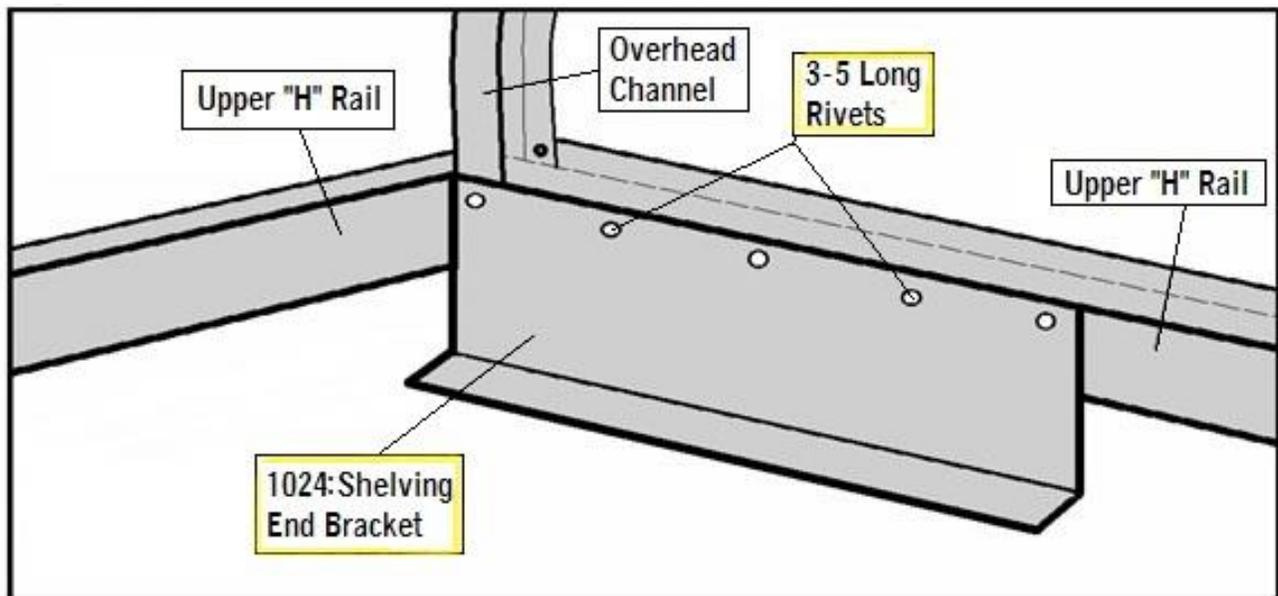
NOTE: Corner units are slightly shorter than center units and will include an end bracket for install. Orders vary by customer. The front and rear "T"s are cut to length. If your shelf "T"s have been cut into sections and require joiner plates these are riveted to the front shelf "T"s to create one long piece. If the shelving does not extend the full length of the greenhouse please contact us if you have any questions.

### **Tools required (not included):**

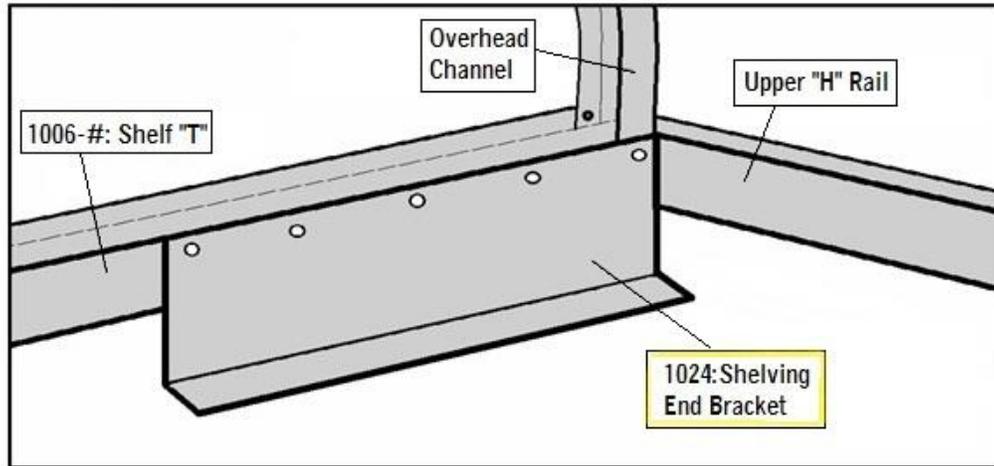
**Drill, rivet gun, vise grips (or clamps), #30 drill bit (or 1/8"), and a level.**

*(Rivet gun and drill bits can be purchased from Sunglo)*

1. Install #1024: shelf end bracket on the upper "H" rail at the desired height. Check for level. Vise grip in place. Using the #30 drill bit drill three to five holes through both the shelf end bracket and upper "H" rail being careful not to drill through the corrugated inner panel. Use three to five long rivets to secure the shelf end bracket.



2. Install the second shelf end bracket at the exact same height at the opposite end. Check for level before riveting.



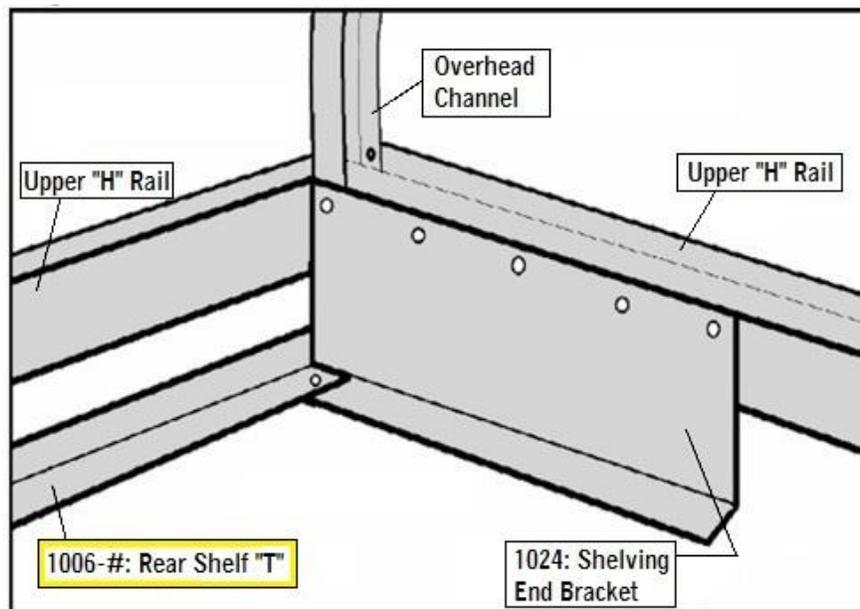
3. Install the rear Shelf "T" to the shelf end bracket.

NOTE: If you have bench "T"s as well do not confuse the long bench "T"s with the long shelf "T"s. Be sure to check the length. The shelf "T" is about 1/4" shorter in length to allow clearance for the shelf end bracket.

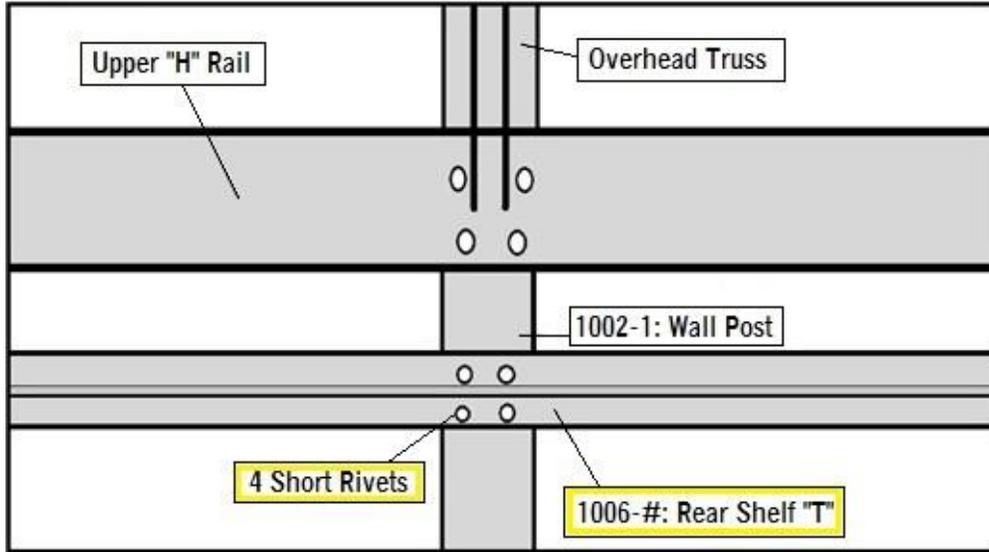
Use short rivets to attach the shelf "T" to the shelf end brackets.

NOTE: Your front shelf "T" may arrive in several pieces and include joiner plates. The rear shelf "T"s do not require joiner plates. (rivet the joiner plates to the "T"s to create one long piece).

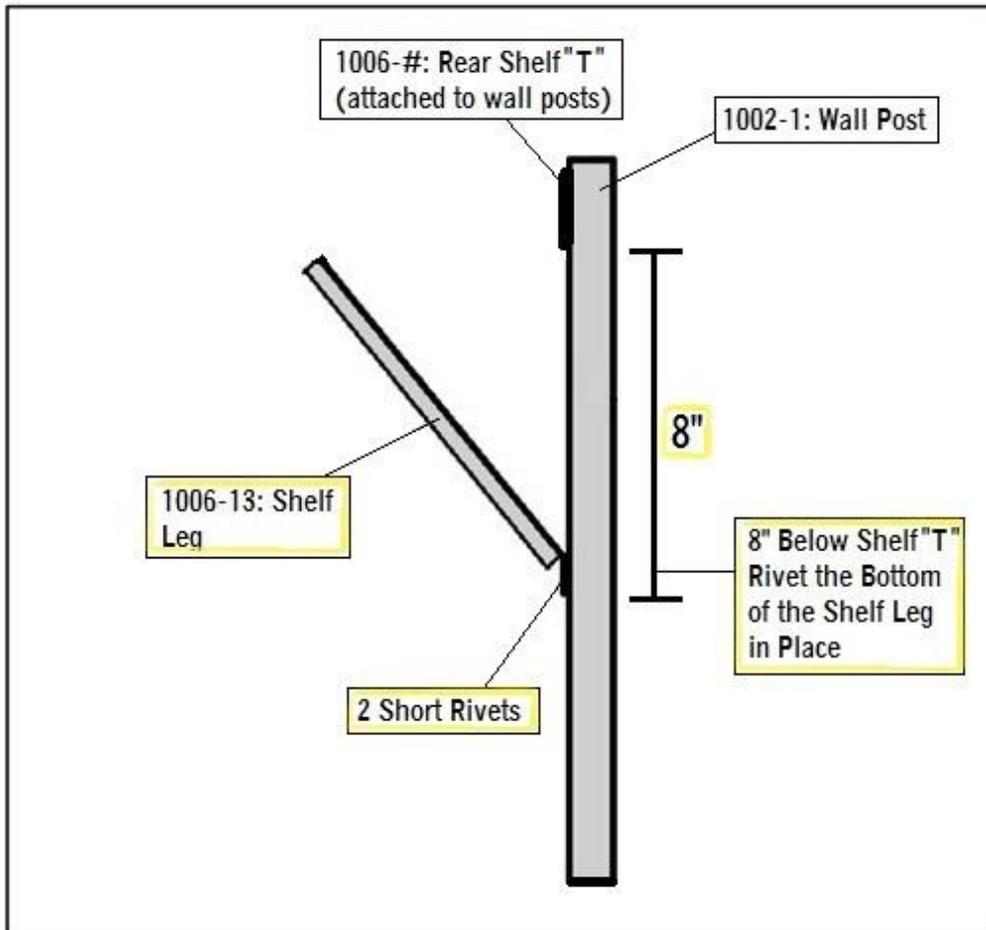
Clamp each piece before drilling and riveting to make sure they are level and at the same height.



4. Attach the rear shelf "T" to each wall post with four short rivets. It helps position them using vise grips while drilling the holes. Check for level.

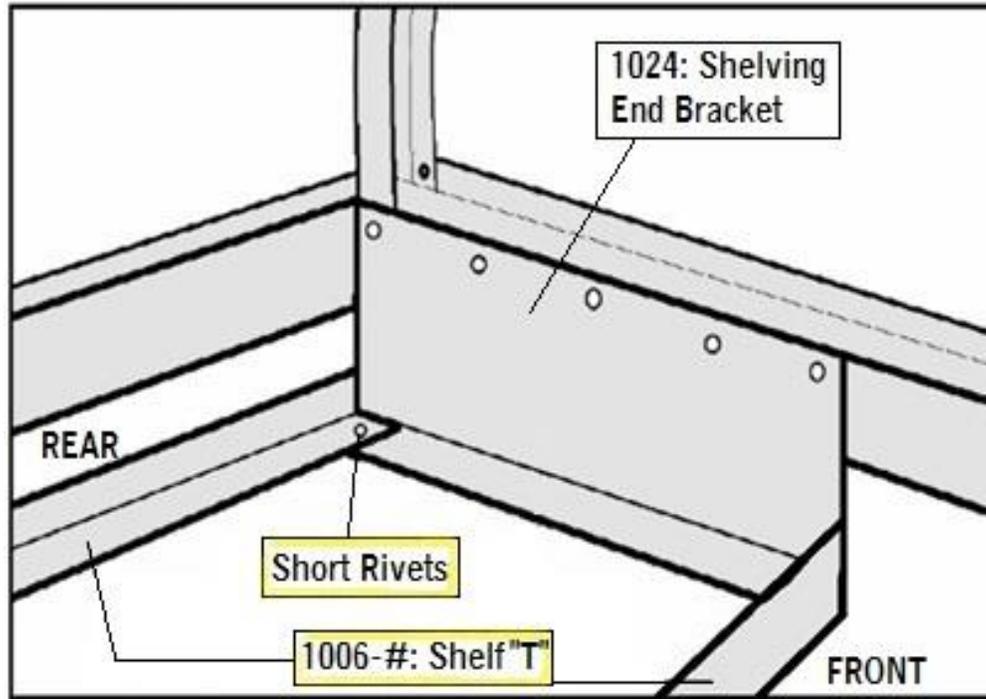


5. Attach each shelf leg to the wall post 8" below the rear shelf "T" and rivet the bottom of the shelf leg at this 8" mark. Use two short rivets. The shelf leg will stick forward and up at about 45°. Don't worry about the top part of the leg for now. It will be the last part to be riveted.

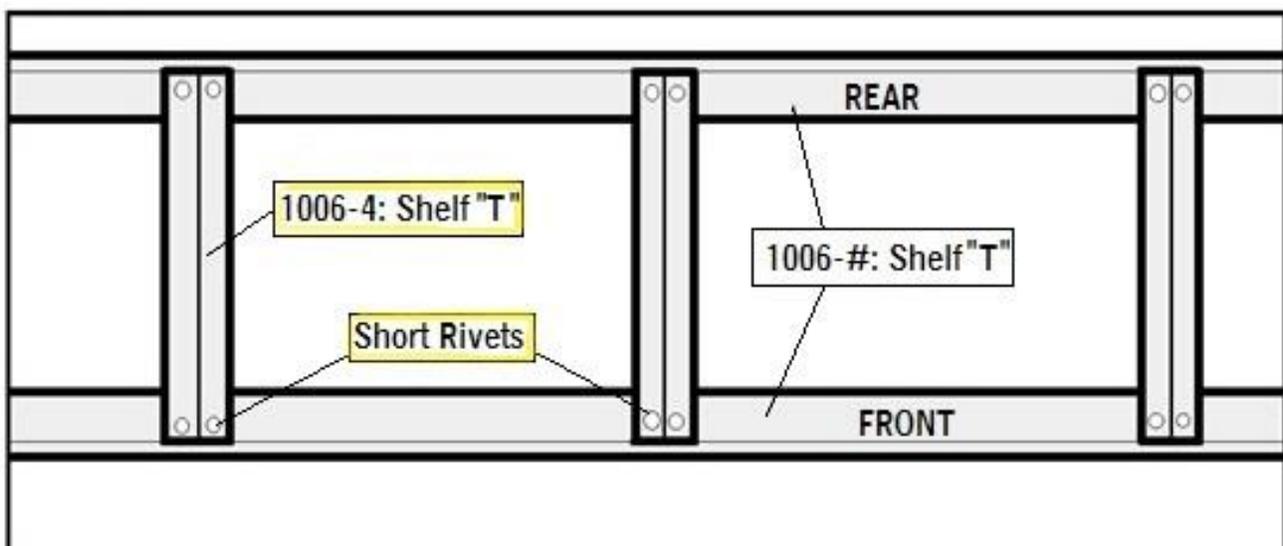


6. Rivet the long front shelf "T" to both end brackets using short rivets. Again positioning them using vise grips will help while drilling the holes for the rivets.

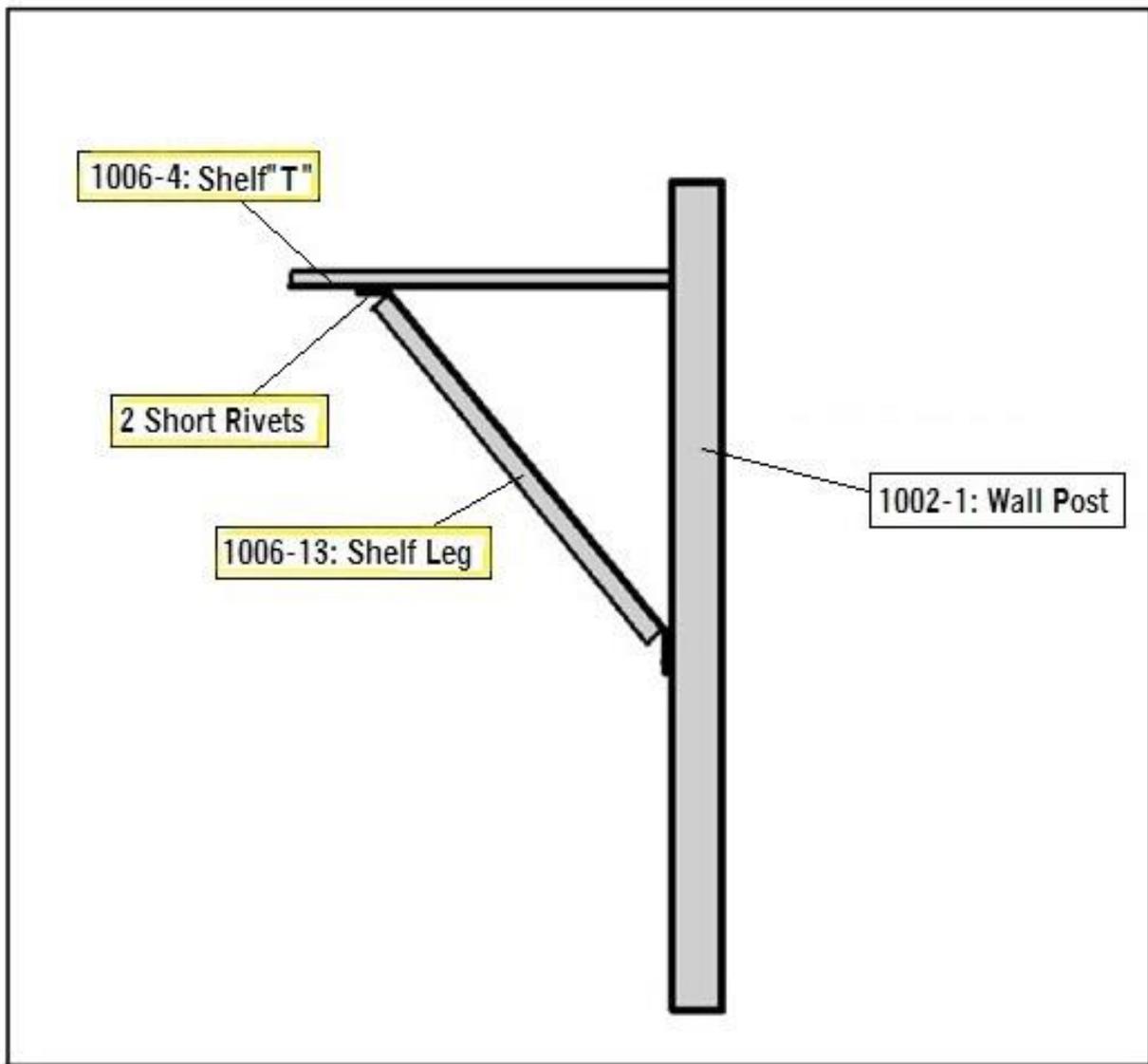
NOTE: If your front long shelf "T" is cut use joiner plates to re-connect them. The rear shelf "T"s do not require joiner plates. (using short rivets attach joiner plates to the "T"s to create one long piece).



7. Install #1006-4: 12" shelf "T"s in line with the wall posts. Before drilling and riveting the first 12" shelf "T" in place using the **corner** cedar shelf slat to check spacing. Use the **center** cedar shelf slats for the **center** sections. Use short rivets to attach each #1006-4: shelf "T" to the #1006-#: Shelf "T"s.



8. Using a level rivet the top end of each shelf leg to the #1006-4: 12" shelf "T"s using two short rivets. Using vice grips will again ease this step.



9. Install the corner and center cedar slats and you are done!

If you are interested in a custom shelf sections along the back gable end wall or center benches in our larger models please give us a call to inquire. 425-251-8005.

***Happy Greenhousing. Your Sunglo Team***